

15. The X-ray imaging apparatus according to claim **12**, wherein the single energy X-ray image comprises an X-ray image which is generated using the signal corresponding to one of the different energy bands, among the plurality of signals.

16. The X-ray imaging apparatus according to claim **1**, wherein the plurality of multiple energy X-ray images comprises an X-ray image which is generated using a plurality of signals corresponding to different energy bands.

17. The X-ray imaging apparatus according to claim **1**, wherein the controller is configured to control the display to display the single energy X-ray image having a greater size than that of at least one image among the plurality of multiple energy X-ray images.

18. The X-ray imaging apparatus according to claim **1**, wherein the controller is configured to control the display to display at least one of the plurality of multiple energy X-ray images larger than the single energy X-ray image.

19. The X-ray imaging apparatus according to claim **1**, wherein the controller is configured to control the display to display the generated single energy X-ray image and the plurality of multiple energy X-ray images together on a screen.

20. The X-ray imaging apparatus according to claim **19**, wherein the generated single energy X-ray image and the plurality of multiple energy X-ray images are displayed adjacent to each other on the screen.

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